

PINTLAR CORPORATION

1005 W. McKinley
P.O. Box 480
Kellogg, Idaho 83837

(208) 784-1321
Fax (208) 783-6621

RECEIVED
MAR 30 1994
SUPERFUND REMEDIAL BRANCH

To: Mr. Tony Chavez
From: Ed Whitley
Subject: Asbestos Remediation
Date: August 5, 1993

On July 14, 1993, I conducted a tour of representatives from asbestos abatement companies in Boise, Idaho Falls and Missoula. The goal was to get an idea of the costs associated with the remediation of asbestos provided it is done in the manner described by Ms. Geohring during our recent agency tour.

Since most of her description was localized in the Roaster Floor of the Zinc Plant, I chose to ask the contractors to focus on that area only and we could factor the costs to the rest of the plant. While the people involved were quite willing to invest their time and money in this project even with zero potential returns, I felt that the cost to study and generate hard estimates on the entire plant would have been asking too much of their generosity.

To a man, all stated that "mass remediation" or stripping would be far and away the most cost effective means - Becky's suggestion of patching the broken areas, shearing and wrapping the cuts was not acceptable to them at all.

My suggestion to them for creating the estimates was to remediate all piping, "gluing" the big equipment for future shearing where necessary and placing all in the basement of the Burt Filter floor for final covering by Pintlar. However, the reps indicated that, in their experience, adequate abatement to a "no visible dust" condition would necessitate stripping the equipment as well as the piping and so estimated the project. Two, as you will see from the estimates, estimated stripping all transite siding as well from the building to generate adequate access (which may be the most cost effective method?)

To summarize (copies attached), the estimates were as follows:

Asbestos Abatement, Inc-----\$400,000 - \$550,000
Northwest Technologies, Inc----- 480,000 - 625,000
- the above 2 do not include transite or air monitoring and
estimated based on delivering an ACM free interior that could
be salvaged for the steel values.
Mountain States Insulation & Supply-----1,674,392
- this was the one who quoted remediation to include all
ACMs as well as all transite
Envirocon-----1,696,215

- these folks offered the "full service" approach to include all permitting, documentation, air monitoring, chemical analysis, insurance, engineered design, etc

It should be noted that none of the bidders included any asbestos inside the equipment which, in my opinion, is up the potential salvager.

I would estimate that this area represents probably 40% of the "insulated" equipment in the Zinc Plant. However, indications are (Dames & Moore) that the big roaster (#5) down by the carpenter shop and the acid plants do not contain levels of friable asbestos to be of concern. If so, my guess is that the roaster floor housing the "old roasters" represents probably 80% of the total Zinc Plant ACMs. Therefore, a reasonable assumption to remediate the ACMs in the Zinc Plant, excluding transite siding, would be \$1,000,000 for the roaster floor plus 20% for the rest of the plant or \$1.2M.

Transite siding, per the reps here on site, will average \$1.00/sq ft to remove and let down gently into a container under wet conditions. Cleaning of the site both before and after plus relocation of the materials to the repository will add some \$0.25/sq ft. The Zinc Plant contains an estimated (JTS) 230,000 sq ft x \$1.25/sq ft = \$287,500.

Therefore, conservative estimates to remediate the Zinc Plant per Ms. Goehring is \$1.5M, excluding the acid plants and #5 roaster. If they should be included, the above number will at least double.

cc: T Harbert
J Hazlewood
J Hodge
P Jasberg
✓D Meyer
R Nearing



Northwest Technologies Inc.

208-323-0757
1-800-657-10876724 EMERALD STREET
BOISE, IDAHO 83704

HAZARDOUS WASTE MANAGEMENT

July 23, 1993

Attn: Ed Whitley
PINTLAR
1005 West McKinley
Kellogg, Idaho 83837

RE: Asbestos Removal/Bunker Hill Project

Dear Mr. Whitley:

Northwest Technologies, Inc., estimates the costs to remove friable asbestos in the building we toured on July 14, 1993, to be between \$480,000.00 to \$625,000.00. It would be more cost effective to build containments and gross abate these materials than it would be to cut, wrap, and transport pipe and asbestos to the basement. It will take our estimator 1 to 2 days to give an accurate estimate for project bid purposes.

We are interested in providing a firm quote for this project if this project reaches that phase.

Thank you for considering Northwest Technologies, Inc., for this project.

Sincerely,

DAVID L. HOLMAN
President

DLH/kh



MOUNTAIN STATES INSULATION & SUPPLY CO.

HEAT & FROST INSULATION CONTRACTORS & SUPPLIERS
P.O. BOX 60232 • 546 WEST 21ST STREET IDAHO FALLS, IDAHO 83405
TELEPHONE: (208) 522-5566 • FAX (208) 522-1050

FAX TRANSMISSION COVER SHEET

DATE: 7-22-93
TO: E.W (ED) WHITLEY
COMPANY: PINTLAR CORPORATION
PHONE: 208-784-1321
FAX: 208-783-6621
FROM: MOUNTAIN STATES INSULATION
546 WEST 21st STREET
IDAHO FALLS IDAHO 83405
PHONE: (208)-522-5566
FAX: (208)-522-1050
REF: ASBESTOS REMOVAL
SCOPE: 1- REMOVE ACM FROM ROASTER FLOORS
PIPE, EQUIPMENT, BOILERS, DUCT AND
TRANSITE SIDING.

MRS. WHITLEY,

WE ARE SUBMITTING AN ESTIMATE FOR THE ASBESTOS REMOVAL ON THE
ABOVE PROJECT. THIS ESTIMATE INCLUDES ALL
LABOR, MATERIALS, EQUIPMENT.

OUR PRICE FOR THE ABOVE PROJECT IS

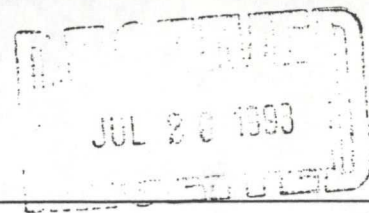
\$1,674,392.00

THANK YOU.

PERRY TONKS

ENVIROCON, INC.

2671 GABEL ROAD
POST OFFICE BOX 80107
BILLINGS, MONTANA 59108-0107
PHONE: (406) 652-6337
FAX: (406) 652-1724



July 22, 1993

ENVIROCON, INC.

Mr. Ed Whitley
Pintlar Corporation
1005 West McKinley
Kellogg, ID 83837

RE: Asbestos Abatement
Zinc Plant
Kellogg, Idaho

Dear Mr. Whitley,

We wish to quote to you a budget price of approximately **\$1,696,215.00** for the design and the removal of asbestos containing thermal systems insulation and the asbestos debris cleanup of the Roaster Floors in the old Zinc Plant at your facility in Kellogg, Idaho. Under your direction, we would dispose of the asbestos waste (burial by the owner) at your repository.

Our price includes the cost of premium for asbestos specific true occurrence insurance (\$1,000,000.00 per occurrence with \$5,000,000.00 aggregate; the amount of liability may be increased at an additional cost). Should you wish Performance and Payment Bonds, we can provide them through our A+ rated Treasury Listed Insurance Company for an additional 4% added to our price.

We would conduct air monitoring required by OSHA (29 CFR 1926.58).

Envirocon, Inc. has extensive experience with asbestos abatement in high places requiring the use of staging and/or man-lifts:

- Montana Power Company, Colstrip, Montana, required man-lifts to remove transite panels from their 100 foot high cooling towers;
- Montana Power Company, Corette Power Plant, Billings, Montana, required special staging on the outside of the main boilers (approximately 200 feet high) to remove asbestos containing thermal systems insulation;
- Montana State University, Bozeman, Montana, required special staging to cleanup after an explosion in their boiler room which was about 5 stories high;



- Stone Container Corporation, Missoula, Montana, required special staging to cleanup after an explosion in their boiler room which was about 10 stories high;
- Amoco Oil Refinery, North Salt Lake City, Utah, required special staging to remove asbestos from the exterior of a 150 foot high smoke stack;
- Federal Building, Billings, Montana, presently requiring special staging to remove asbestos from and demolish two large boilers.
- Chelan County PUD, Wenatchee, Washington, will require 85 foot man-lifts to remove and replace concrete caulking joint materials at their Rocky Reach Dam near Wenatchee.

In addition to the above, we have performed asbestos abatement work at several hundred industrial projects covering most all aspects of industrial abatement and demolition. Our crews have had extensive experience with scaffolding and work with cranes, much of which requires complicated rigging.

Envirocon, Inc. currently has five branch locations in the western regional United States and is licensed in all 14 of the western states. Three of the branches (Billings, Missoula, Montana, and San Leandro, California) perform asbestos and lead removal, specializing in industrial and commercial asbestos and lead removal projects. Our operations are staffed with seasoned industry professionals and an experienced grouping of field supervisors who can provide the results clients look for in their projects. Envirocon places special emphasis on staying within the clients budget, completing the project within the allotted schedule, and providing quality workmanship.

Envirocon, Inc. has never received any OSHA citations, EPA violations, bond forfeitures, terminated contracts nor lawsuits.

Your consideration for Envirocon, Inc. to perform asbestos and/or lead removal work for any of your projects is greatly appreciated. Thank you.

Sincerely,

ENVIROCON, INC.



Frank Kolendich
General Manager

FK:ef

copy: Steve Schaff



July 23, 1993

Mr. Ed Whitley
Pintlar Corporation
P.O. Box 480
Kellogg, Idaho 83837

RE: Budget Numbers For Asbestos Removal Bunker Hill Site,
Kellogg, Idaho.

Dear Mr. Whitley,

Asbestos Abatement, Inc. will furnish all materials, labor, insurance, EPA Notifications, license and dump fee to remove the asbestos identified per the walk-through July 14th, 1993.

Price Range..... \$400,000 - \$550,000

All work will be in accordance with EPA and OSHA regulations as well as any applicable state and local requirements.

Thanks again for considering AAI to help evaluate the Bunker Hill Site, and would appreciate the opportunity to further review the site to determine a firm price to complete this project.

If you have any questions, please feel free to call.

Respectfully,

Asbestos Abatement, Inc.



John Kirtland
Operations Manager

filename zpasb.wk3

BUNKER HILL SUPERFUND SITE
ZINC PLANT COMPLEX CLOSURE
ASBESTOS CONTAINING MATERIALS HANDLING SUMMARY

GENERAL				ASBESTOS			
BLDG. NO.	BLDG. NAME	BLDG. LOCATION (1)	BLDG. DIMENSIONS LxWxH	TYPE (2)	LOCATION (3)	QUANTITY (4)	ABATEMENT PROCEDURE (5)
6	Chemico Acid Plant	Zinc Plant	30x21x14	F	heat exchange	?	
	"	"		F	ductwork	?	
7	Monsanto Acid Plant	"	54x27x23.5	F	heat exchange	?	
				F	ductwork	?	
8	Conc Storage	"	288x23x30	N	C	17,700sf	
	Thaw Shed	"	496x21x28	N	C	inc	
9	Roaster Floor	"	296x72x60	N	C	6900sf	
10	Cottrell	"	80x40x60	N	C	9340sf	
11	Ball Mill Building	"	32x26x31.5	N	C	2310sf	
12	Leach Floor	"	296x56x69	N	C	3330sf	
13	Area Shack 1	"	34x20x15	N	C	810sf	
14	Surge Tanks	"	72x38x20	N	C	2200sf	
15	Filter Floor	"	414x70x59	N	C	14,210sf	
				N	R	4550sf	
16	Tank Floor	"	326x42x45	N	C	2710sf	
17	Residue Floor	"	272x45x38	N	C	5750sf	
19	Thickener Canopy	"	47x38x15	N	C	5000sf	
22	Warehouse & Pipe Shop	"	90x60x58	N	R	7300sf	
				N	C	1190sf	
23	Compressor Building	"	44x42x13.5	N	C	3960sf	
28	Carpenter Shop	"	80x42x16	N	C	7200sf	
29	Lead Shop	"	43x40x16	N	C	3360sf	
31	Framing Shed	"	68x42x37	N	C	5040sf	
39	Pretreatment Plant	"	108x56x47	N	C	13,350sf	
	Dryer Building	"	71x32x52	N	C	9100sf	
40	Cadmium Plant	"	112x48x29	N	C	1600sf	
41	Track Office	"	8x10x8	N	C	240sf	
42	Casting Room	"	265x70x30.5	N	C	6180sf	
44	Generator Room	"	171x54x35	N	C	5880sf	
45	Cell Room	"	297x171x45	N	C	33,000sf	
48	Mn Room	"	208x57x55	N	C	30,000sf	
49	Mn Room Addition	"	80x43x55	N	C	6200sf	
52	Miscellaneous Buildings	"	2320sf x 9	N	C	8000sf	

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**BUNKER HILL SUPERFUND SITE
ZINC PLANT COMPLEX CLOSURE
ASBESTOS CONTAINING MATERIALS HANDLING SUMMARY**

GENERAL				ASBESTOS			
BLDG. NO.	BLDG. NAME	BLDG. LOCATION (1)	BLDG. DIMENSIONS LxWxH	TYPE (2)	LOCATION (3)	QUANTITY (4)	ABATEMENT PROCEDURE (5)
53	Anode Building	Zinc Plant	190x40x24.5	N	C	6400sf	
56	AC Generator Rooms	"	52x22x33	N	C	4000sf	
58	Main Shop & Garage	"	88x16x10	N	C	2080sf	
62	Electrolyte Pump House	"	96x12x14	N	C	3440sf	
64	Cooling Tower Pump House	"	58x28x22	N	C	3400sf	
68	Acid Purif Building	"	50x20x14	N	C	3080sf	
76	Stairways	"		N	C	3200sf	
80	Monitor Roof	"	18x150	N	R	4500sf	

Sf Total = 246,590
Roofing (R) = 16,350
Cladding (C) = 230,240

1. Lead Smelter (LS), Zinc Plant (ZP), Acid/Fert Plant (AF)
Inside cap boundary (I), Outside cap boundary (O)
2. Friable (F), Non-friable (N)
3. Pipe Insul'n (p), Boiler Insul'n (B), Cladding (C), Roofing (R), Misc. (M)
4. Length, Area, Volume
5. Bag & remove (B), Maintain wet during removal (W), Include in general demolition (G)